

The Transfer of Heat Review

Name: _____

Date: _____

Score: _____

Fill in the spaces in the table below by writing whether the heat is transferred by convection, radiation, or conduction.

Heat Transfer Example	Method of Heat Transfer
An entire lake is heated by water from a hot spring at the bottom of the lake.	1.
Sunlight melts a wax crayon left outside.	2.
A burner on a stove heats the bottom of a pot.	3.
The inside frame of your front door feels cold during winter.	4.
A kite rises high above a hot, sandy beach.	5.
You feel the warm glow of a bonfire.	6.

7. The illustration shows a pot of liquid on a stovetop burner. Draw the convection currents that result.



8. Complete the table.

Heat Transfer		
Process	How Heat Moves	Example
Conduction		
Convection		
Radiation		

9.

Classify each of the following materials as either a conductor or an insulator by writing the correct term on the line.

- a. air _____ b. wool _____
c. wood _____ d. tile _____
e. silver _____ f. fiberglass _____

10. Why can't ice transfer coldness into another substance?
